CI	-	~-	OF	^

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

OUT 1 6 7003 B APPLICANT

BY APPLICANT

Peter T. McCarthy

FILING DATE
July 18, 2003

APPLICATION NO.

APPLICATION NO.

Onknown

-				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
An	1	5,384	12/4/1847	R.A. Tilghman	_	-	
A	2	144,538	11/11,1873	Harsen	_	_	
A	3	169,396	11/2/1875	O.G. Ahlstrom	_	_	
	4	234,306	05/20/26	Bevey	-	_	
	3	- 476,002	12/01/37	Valento -	_	_	
An	6	783,012	02/21/05	Biedermann et al.	_		
	7	797,204	unknown	Michiels	_	_	
An	8	871,059	11/12/07	Douse	_	-	
1	9	983,967	2/14/11	Woods	_		
	10	998,146	07/18/11	Alfier et al.	-	_	
	11	1,061,264	5/13/1913	Bys			
	12	1,011,767	12/12/11	Farum	_	_	
	13	1,063,805	6/3/13	Krause	-	-	
	14	1,324,722	12/11/1917	William Bergin	_	_	
-	15	1,607,857	5/27/1926	F. Zukal	_	-	
	16	1,684,714	08/12/27	Perry	-	_	
	17	1,710,673	4/23/29	Bonney	_	-	
	18	2,123,096	7/5/38	Charpentier	_	_	
	19	2,210,642	8/6/40	Thompson	-	_	
	20	2,241,305	02/27/39	Hill, Jr.	_	_	
	21	2,321,009	9/27/1940	O.P. Churchill	-		
	22	2,343,468	3/7/1944	Messinger	-	-	
	23	2,423,571	07/08/47	Wilen	_	-	
	24	2,576,981	12/4/51	Vogt		_	
	25	2,588,363	03/11/52	Corlieu	-	_	
	26	2,846,165	8/5/58	Axelson	-	-	
	27	2,850,487	9/2/1958	Gaetano F. D'Alello	-	-	

EXAMINER	WRIL	HI		DATE CONSIDERED	5	14	04		
*EXAMINER: INIT	IAL IF CITATION CONS E AND NOT CONSIDER	IDERED, WHE RED, INCLUDE	THER OR NOT CITATION I COPY OF THIS FORM WIT	S IN CONFORMANCE WITH	MPEP 60	9; DR	W LINE	THROUGH CI	TATION IF NOT

FORM PTO-1449	U.S. DEPARTMENT OF C PATENT AND TRADEMA
	DISCLOSURE STATEMENT BY APPLICANT

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY, DOCKET NO. NATURES.025A

APPLICATION NO. Unknown

SEVERAL SHEETS IF NECESSARY)

APPLICANT Peter T. McCarthy

FILING DATE Jul;y 18, 2003 **GROUP** Unknown

U.S. PATENT DOCUMENTS FILING DATE CLASS SUBCLASS DATE NAME DOCUMENT NUMBER **EXAMINER** (IF APPROPRIATE) INITIAL D.L. Jayet 12/23/1958 2,865,033 28 2,889,563 6/9/1959 E.W. Lamb, et. al. 29 J.L. Wozencraft 2,903,719 9/15/1959 30 Woods 2,950,487 08/30/60 31 3,019,458 2/6/1962 E. De Barbieri, et. al. 32 9/25/1962 L. Ferraro, et. al. 33 3,055,025 Cousteau, et al. 3/26/1963 3,082,442 34 3,084,355 04/09/63 Ciccotelli 35 Holley 04/23/63 36 3,086,492 11/5/63 3,109,495 Lang 37 B.B. Girden 3,112,503 12/3/1963 38 3/2/1965 3,171,142 Auzols 39 Frederick H. Gwynne 3,239,857 3/15/1966 40 6/21/1966 Novelli 3,256,540 41 2/20/68 Rethorst 3,369,775 42 11/19/68 3,411,165 Murdoch 43 3,411,738 11/19/68 Sargent 44 01/21/69 Mares 3,422,470 45 3,453,981 07/08/69 Gause 46 3,480,234 11/25/69 Comish III 47 Winters 01/27/70 48 3,491,997 3,596,854 8/3/71 Haney, Jr. 49 5/30/1972 Picken 3,665,535 50 12/4/73 Kuethe 3,776,363 51 3,773,011 11/20/73 Gronier 52 12/4/73 Kuethe 3,776,363 53

EXAMINER	1216/	DATE CONSIDERED	5/14	4/04	
*EXAMINER: IN IN CONFORMAN	ITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION ICE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM W	IS IN CONFORMANCE W	ITH MPEP ON TO APP	P 608; DRAW LINE THROUGH CITATION IF NO PPLICANT.	·Τ

1.1. 19 1 19 電腦 1.4.1

54

3,810,269

5/14/74

Tabata

TIPE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SCLOSURE STATEMENT	ATTY. DOCKET NO. NATURES.025A	APPLICATION NO. Unknown
1 6 2003 00;	PPLICANT	APPLICANT Peter T. McCarthy	
(USB BEVERAL SI	HEETS IF NECESSARY)	FILING DATE Jul;y 18, 2003	GROUP Unknown

				U.S. PATENT DOCUMENTS	•		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
for	55	3,904,151	9/9/75	Rethorst	-	_	
	56	3,922,741	12/02/75	Semeia	-	_	
	57	3,934,290	01/27/76	Le Vasseur	_	-	
	58	3,952,351	04/27/76	Gisbert	_		
	59	4,007,506	2/15/1977	Rasmussen	_	_	
	60	4,025,977	5/31/1977	Cronin	,	-	
	61	4,083,071	04/11/78	Forjot	_	<u> </u>	
	62	4,108,403	8/22/78	Finch	-	_	
	63	4,193,371	03/18/80	Baulard-Caugan	-	_	
	64	4,197,869	04/15/80	Moncrieff-Yeates	_	-	
	65	4,209,866	7/1/1980	Loeffler	(_	
	66	4,293,110	10/6/81	Middleton et al.	_		
	67	4,323,209	4/6/82	Thompson	-	·	
	68	4,342,558	08/03/82	Wilson	_	_	
	69	4,382,569	5/10/83	Boppe et al.	_	-	· · · ·
	70	4,444,367	4/24/84	Spillman	-	_	
	71	4,521,220	06/04/85	Schoofs	-		
	72	4,541,810	09/17/85	Wenzel	-	_	
	73	4,657,515	4/14/1987	Ciccotelli	-	_	
	74	4,689,029	8/25/1987	Ciccotelli	_	_	
	75	4,705,240	10/10/87	Dixon	_	-	
	76	4,722,499	2/2/88	Klug	_	_	
	77	4,738,645	04/19/88	Garofalo	_	-	
	78	4,752,259	6/21/1988	Tackett, et. al.	-	_	
	79	4,773.885	9/27/1988	Ciccotelli	-	-	
	80	4,775,343	10/4/1988	Lamont, et. al.	_	-	
V	81	4,776,535	10/11/88	Paterson et al.	-		

EXAMINER	WRIGHT	DATE CONSIDERED	5/	14	184	l
+EVAMINED: IN	IITINI JE CITATION CONSIDERED WHETHER OR NOT CITAT	ION IS IN CONFORMANCE WITH	MDED	, no.	DAIA	LINE TUDOLICU CITATION IE NOT

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEF 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

		GILET 4 OF
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. NATURES.025A	APPLICATION NO. Unknown
MY 9 6 2003 60 BY APPLICANT	APPLICANT Peter T. McCarthy	
(USE TEVERAL SHEETS IF NECESSARY)	FILING DATE Jul;y 18, 2003	GROUP Unknown

				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME ,	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
the	82	4,776,542	10/11/88	Van Dam		_	
1	83	4,781,637	11/01/88	Caires	_	_	
	84	4,820,218	04/11/89	Van de Pol	_	_	
	85	4,857,024	08/15/89	Evans	_	_	
	86	4,869,696	9/26/1989	Ciccotelli	_	_	
	87	4,895,537	1/23/1990	Ciccotelli	_	_	
	88	4,929,206	5/29/1990	Evans	_	_	
	89	4,934,971	06/19/90	Picken	_	_	
	90	4,940,437	07/10/90	Piatt	_	_	
	91	4,944,703	07/31/90	Mosier	-	_	
	92	4,949,919	8/11/90	Wajnikonis	_	_	
	93	4,954,111	09/04/90	Cressi	_	_	
	94	4,954,112	09/04/90	Negrini et al.		-	
	95	4,975,022	12/4/90	Репу	_	_	
	96	5,058,837	10/22/91	Wheeler	_	_	
	97	5,074,234	12/24/91	Steams, IV	_	_	
	98	5,150,859	9/29/92	Ransick	_	_	
	99	5,163,859	11/17/92	Beltrani, et al.	_	-	
	100	5,304,081	4/19/1994	Takizawa	_	_	
	101	5,324,219	06/28/94	Beltrani et al.	_		
	102	5,356,323	10/18/94	Evans	_	_	
	103	5,356,094	10/18/94	Sylvain		_	
	104	5,358,439	10/25/94	Paolo	_	-	
	105	5,366,177	11/22/94	DeCoux		_	
	106	5,374,210	12/20/94	Sardella	_	_	
,	107	5,387,145	2/7/1995	Wagner	_	_	
V	108	5,417,599	05/23/95	Evans	_	_	

EXAMINE	R WRIGHT	DATE CONSIDERED	51	14	lof
	ER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION DRMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM W				

	FORM PTO-14
	OIPE
	INFORMA
	OCT 1 6 2003 &
\\P_2	(USE SE
Y	TO TOUR PALANT
	-

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. NATURES.025A

APPLICATION NO.

TION DISCLOSURE STATEMENT **BY APPLICANT**

APPLICANT Peter T. McCarthy

Jul;y 18, 2003

FILING DATE

GROUP Unknown

VERAL SHEETS IF NECESSARY)

U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE INIŢIAL (IF APPROPRIATE) 5,429,536 7/4/1995 109 Evans 5,435,764 7/25/1995 Testa, et. al. 110 5,443,593 8/22/1995 111 Garofalo 5,522,748 6/4/1996 112 Cressi 5,527,197 6/18/1996 Evans 113 5,533,918 114 7/9/1996 Sanders 5,595,518 1/21/1997 Ours 115 5,597,336 1/28/1997 116 Evans 117 5,634,613 6/3/97 McCarthy 118 5,746,631 5/5/1998 McCarthy 119 5,810,629 9/22/1998 Рап 6,050,868 4/18/00 McCarthy 120 121 6,053,788 4/25/00 Garofalo 6,095,879 8/2000 McCarthy 122 6,126,503 10/3/00 Viale, et al. 123 11/14/00 124 6,146,224 McCarthy 6,290,561 B1 9/18/01 Garofalo et al. 125 126 6,364,728 B1 4/2/02 Viale et al. 6,371,821 4/16/02 127 McCarthy 6,413,133 B1 7/2/02 McCarthy 128 6,482,059 B2 11/19/02 129 McCarthy 6,497,597 130 12/24/02 McCarthy 131 6,585,548 7/1/03 McCarthy 6,607,411 8/19/03 132 McCarthy Des. 278,165 3/26/1985 133 Des. 302,999 8/22/1989 134 McCredie 135 Des. 327,933 7/14/1992 Evans

EXAMINER

WRIGHT

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 669; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

SH	FF	TG	OF	Я

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INPORMATION DISCLOSURE STATEMENT
BY APPLICANT
BY APPLICANT
Peter T. McCarthy

FILING DATE
July 18, 2003

SHEET 6 O

ATTY. DOCKET NO.
NATURES.025A

APPLICATION NO.
Unknown

APPLICATION NO.

GROUP
Unknown

	U.S. PATENT DOCUMENTS							
EXAM!			DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
7	p	136	Des. 327,934	7/14/1992	Evans	_	-	
		137	Des. 327,935	7/14/1992	Evans	_		
		138	Des. 328,118	7/21/1992	Evans	-	-	
		139	Des. 340,272	10/12/1993	Evans	-		
		140	Des. 353,181	12/6/1994	Evans	-	_	
		141	Des. 393,684	4/21/1998	Lin	_		
		142	Des. 396,897	8/11/1998	Evans	_		
	/	143	Des. 404,456	1/19/1999	Evans			

				FOREIGN PATENT DOCUMENTS			,	
EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
INITIAL							YES	NO
	144	1501208	Nev-1967	France				·
	145	500764	2/1030	Germany				
	146	DD 259 353 A	05/24/68	Germany .				
	147	FR 3574 748 A	06/20/86	France				
	148	JP82 134305	06/17/87	Japan				
	149	3U 1323 403 A	03/13/88	Coviet Union				
	150	0 308 908	03/20/80	<u> Europo</u>				
	151	DE 3438888	04/24/88	Germany				
	152	2 0 6 8 0 4 1	1971	France				
	153	2 213 072	1974	Frence				
An	154	625377	09/19/61	Italy	-	_		
A	155	625377 .	09/19/61	ITALY (with Certified Translation)	-	_	х	
An	156	1,245,395	1960	France	-	_		
An	157	1.245.395	9/26/60	FRANCE (with Certified Translation)	-	_	х	
An	158	17,033	1890	England	-	_		

EXAMINER	WRIGHT	DATE CONSIDERED	5/1	4/	ot
	INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION I ANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WIT				

SH			

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

NFORMATION DISCLOSURE STATEMENT
BY APPLICANT
Peter T. McCarthy

FILING DATE
July 18, 2003

APPLICATION NO.
Unknown

APPLICATION NO.
BY APPLICATION NO.
Unknown

				FOREIGN PATENT DOCUMENTS				
EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
INITIAL							YES	NO
	159	787,291	1933	France				
	160	553307	1050	Italy				
	161	61-6097	1980	Japan				
An	162	1,075 997	1960	Germany	_	_		
h	163	1,075 997	1960	Germany (with Certified Translation)	_		х	
A	164	1284765	1972	Great Britain	-	-	-	
An	165	2 543 841	1983	France		-		
A	166	2 543 841	1983	French Republic (certified translation)	-	-	х	
An	167	234305	5/28/1925	Great Britain	_	_		
	168	2,490,498	3/26/82	France				
	169	1,208,690	1959	France				
	170	SU 1230302 A1	6/23/86	Soviet Union				
·	171	0.482.932.A1	4/20/92	Europe				
	172	0 768 393 A.2	10/0/06	Europe				
	173	768302	1/1034	France				
	174	0 500 764 A1	4/14/02	Europe				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)					
Ar	175	Rossler, Robert N., entitled, "Moving Forward - Getting your best kick in the water can come from a combination of design, efficiency and hydrodynamics in fins". ALERT DIVER, Nov-Dec 1997, pages 26 - 28.				
	176	Triantafyllou, Michael S. and Triantafyllou George S., entitled, "An Efficient Swimming Machine". SCIENTIFIC AMERICAN, March 1995, pages 64-70.				
	177	"3302 of 1880" (Picture From Book-Found in US PTO)				
	178	*Test Dive* Article in Jan/Feb 1996 issue of Sport Diver Magazine				
	179	"Oceanic V-Drive Fins" in May/Jun. 1996 Issue of Sport Diver Magazine				
	180	Walton and Katz 'Application of Leading-Edge Vortex Manipulations to Reduce Wing Rock Amplitudes' Journal of Aircraft Vol. 30, No. 4, pp. 555-559				
	181	Traub and Nurick "Effects of Wing-Tip Vortex Flaps" Journal of Aircraft Vol. 30, No. 4, pp. 557-559				
	182	Grantz and Marchman III* Trailing Edge Flap Influence on Leading Edge Vortex Flap Aerodynamics*, Journal of Aircraft Vol. 20, No. 2, pp. 165-169				
V	183	Rao "An Exploratory Study of Area-Efficient Vortex Flap Concepts" Journal of Aircraft, Vol. 20, No. 12, pp. 1062-1087				

EXAMINER	· WRIGHT	DATE CONSIDERED 5	14	104
*FXAMINER:	INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION I	S IN CONFORMANCE WITH MPEP 6	9: DR	AW LINE THROUGH CITATION IF NOT

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

SHEET	8	0	F
-------	---	---	---

•	FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEWARK OFFICE	ATTY, DOCKET NO. NATURES.025A	APPLICATION NO. Unknown
	DIP SINFORMATION	DISCLOSURE STATEMENT		
(R	51	Y APPLICANT	APPLICANT Peter T. McCarthy	
PATEL	(63¢ SEVERAL	L SHEETS IF NECESSARY)	FILING DATE Jul;y 18, 2003	GROUP Unknown
V	TREOPHIAN			

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
A	184	Lamar and Campbell "Vortex Flaps-Advanced Control Devices for Supercruise Fighters" Jan. 1984, Aerospace America.
1	185	*BZ* bodysurfing fin (Picture), 1 st production in 1990
	186	"Blade Pro" bodysurfing fin (Picture), 1st production 1991
	187	"Wave Rebel" bodysurfing fin (Picture), 1st production 1994
V	188	Art. 1400 Pinna "Professional" Fin (1989)
	189	
	190	
	191	
-	192	

H:\DOC\$\MJK\MJK-6428.DOC 100703

EXAMINER /

DATE CONSIDERED

14/04

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

J.	- Care						SHEET 1 OF 1	
/0	PEFORMP	ro-1449 U.S. DEPARTMENT (PATENT AND TRAL		Y, DOCKET NO. TURES.025A	APPLICA Unknow	ATION NO. wn		
N	วิง 1 7 2003 คลัส	RMATION DISCLOSURE STATEM	ENT		1	0 62	3187	
'	BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)			APPLICANT Peter T. McCarthy				
V				FILING DATE July 18, 2003		GROUP Unknown		
			U.S. P	ATENT DOCUMENTS				
		, ,						
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	

	FOREIGN PATENT DOCUMENTS									
EXAMINER	DOCUMENT NUMBER	DATE	' COUNTRY	CLASS	SUBCLASS	TRANS	LATION			
INITIAL						YES	МО			
A- 3	WO 01 85267 A	November 15, 2001	PCT		-		<u> </u>			
h 4	EP 1 082 975 A	March 14, 2001	Europe		_					

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	6
	7

H:\DOCS\MJK\MJK-6593.DOC:ip/111103

DATE CONSIDERED EXAMINER *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.